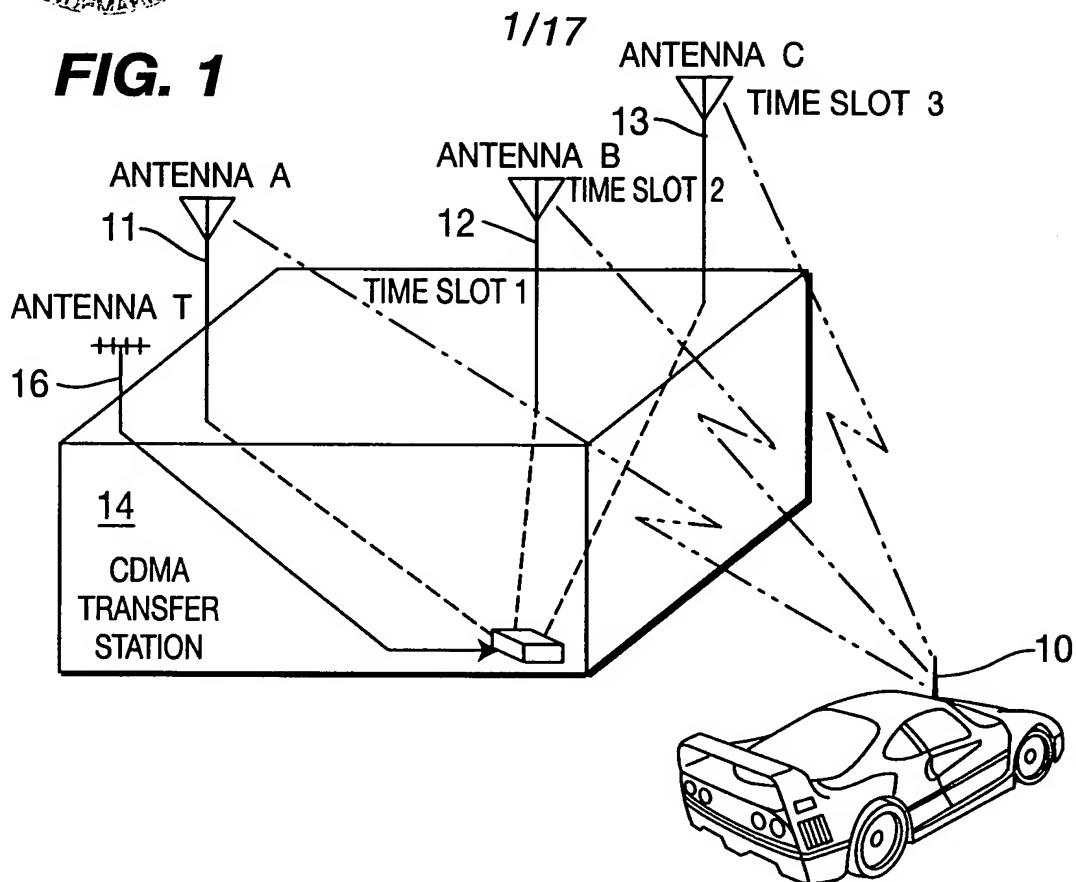
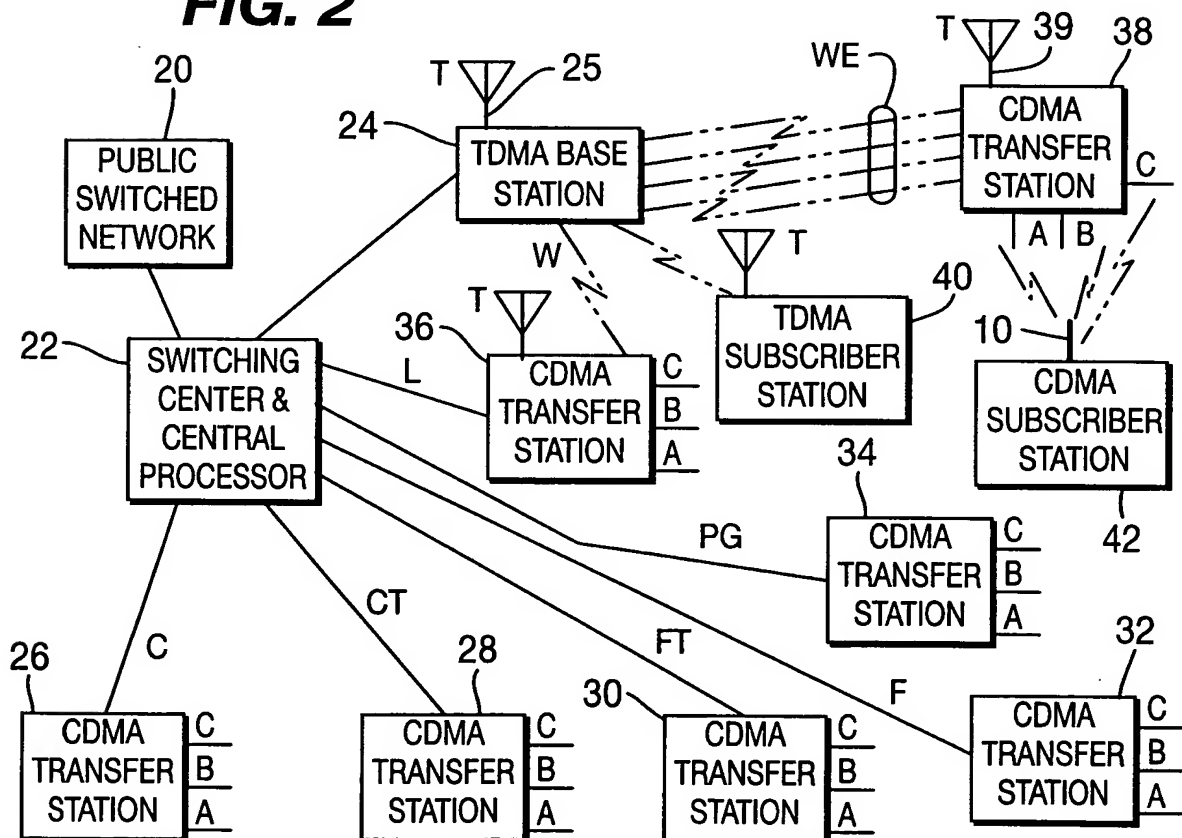
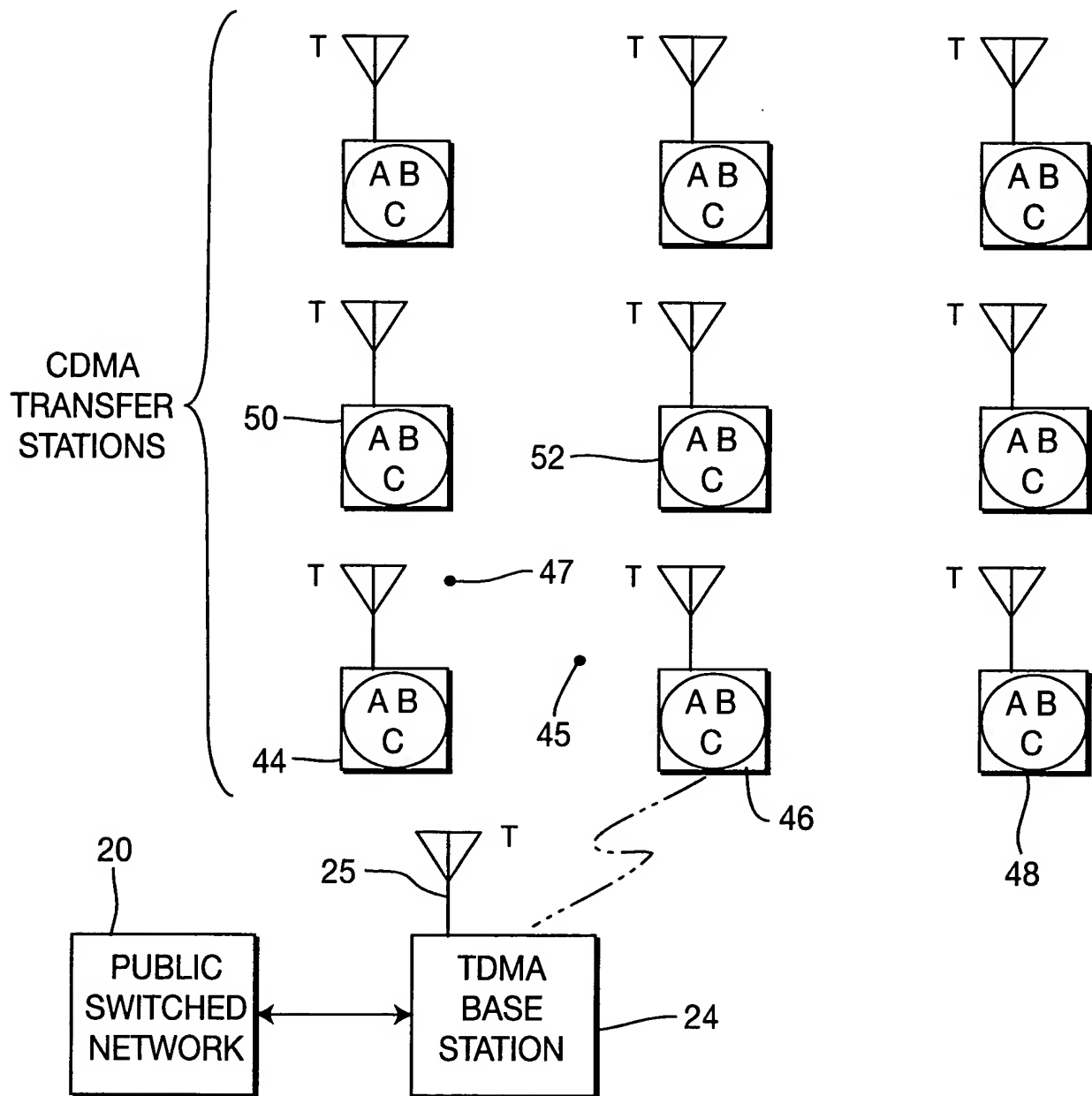
**FIG. 1****FIG. 2**

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**FIG. 3**

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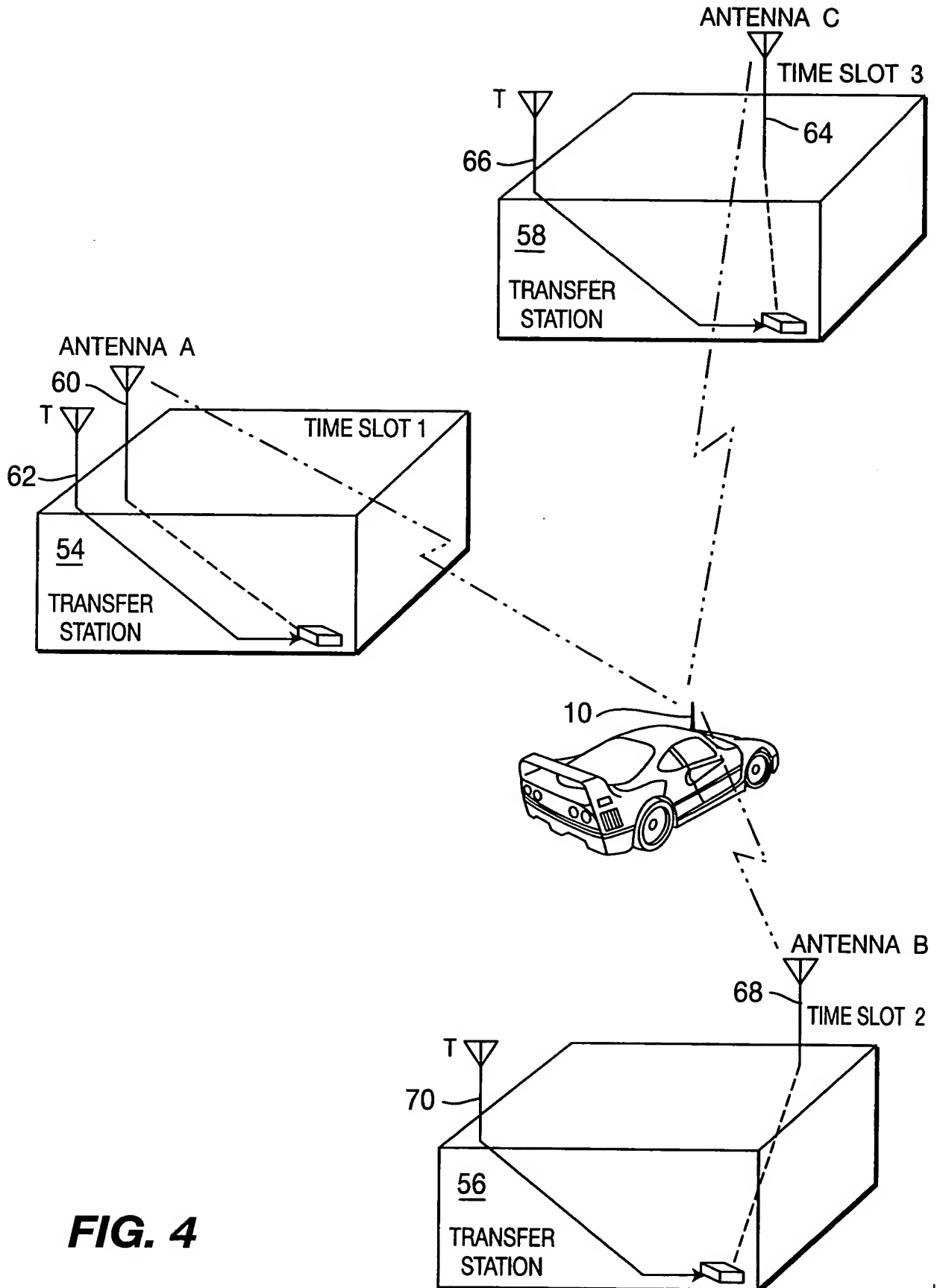


FIG. 4

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FIG. 5

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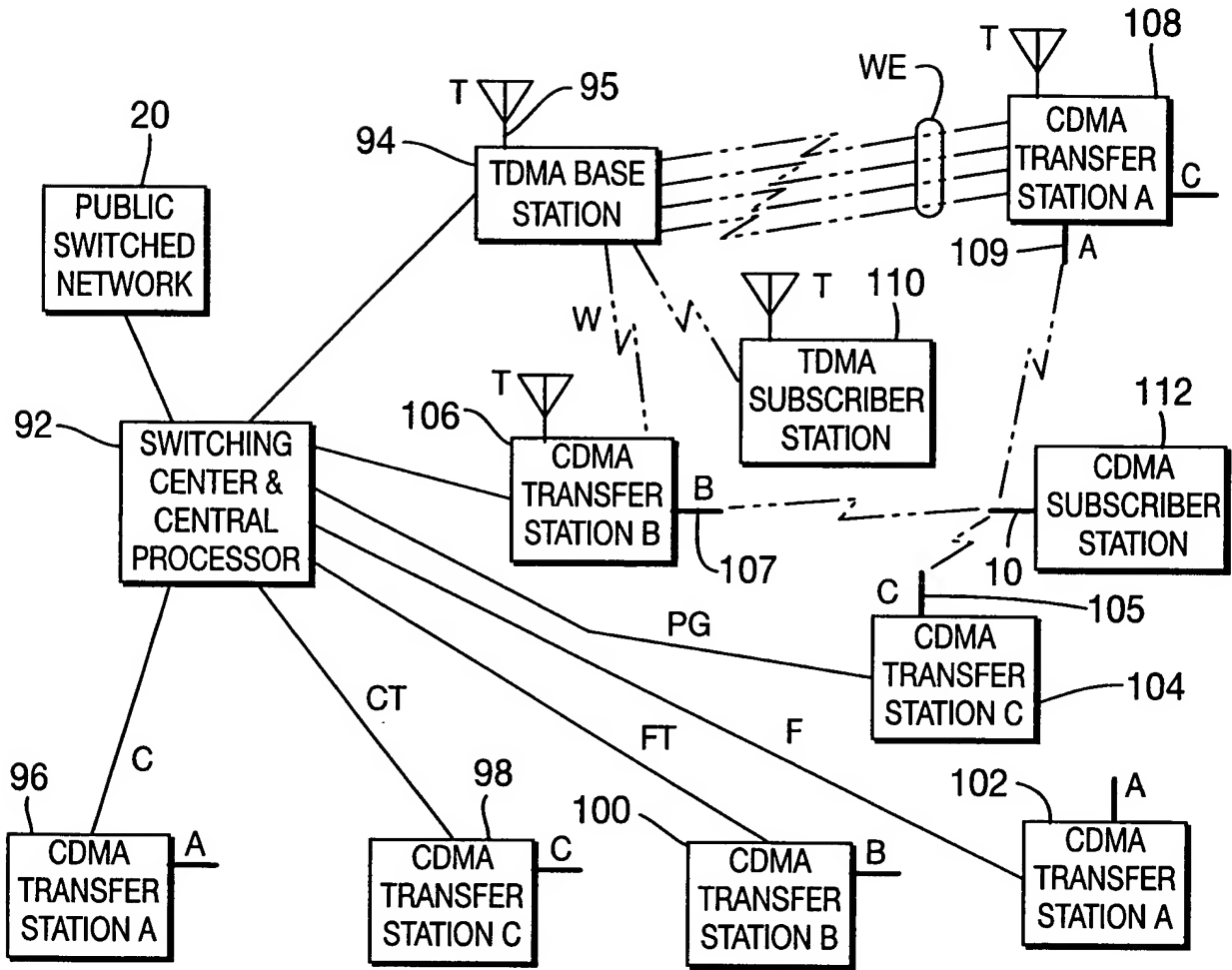


FIG. 6

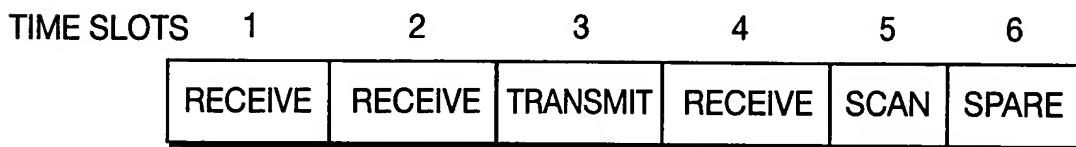
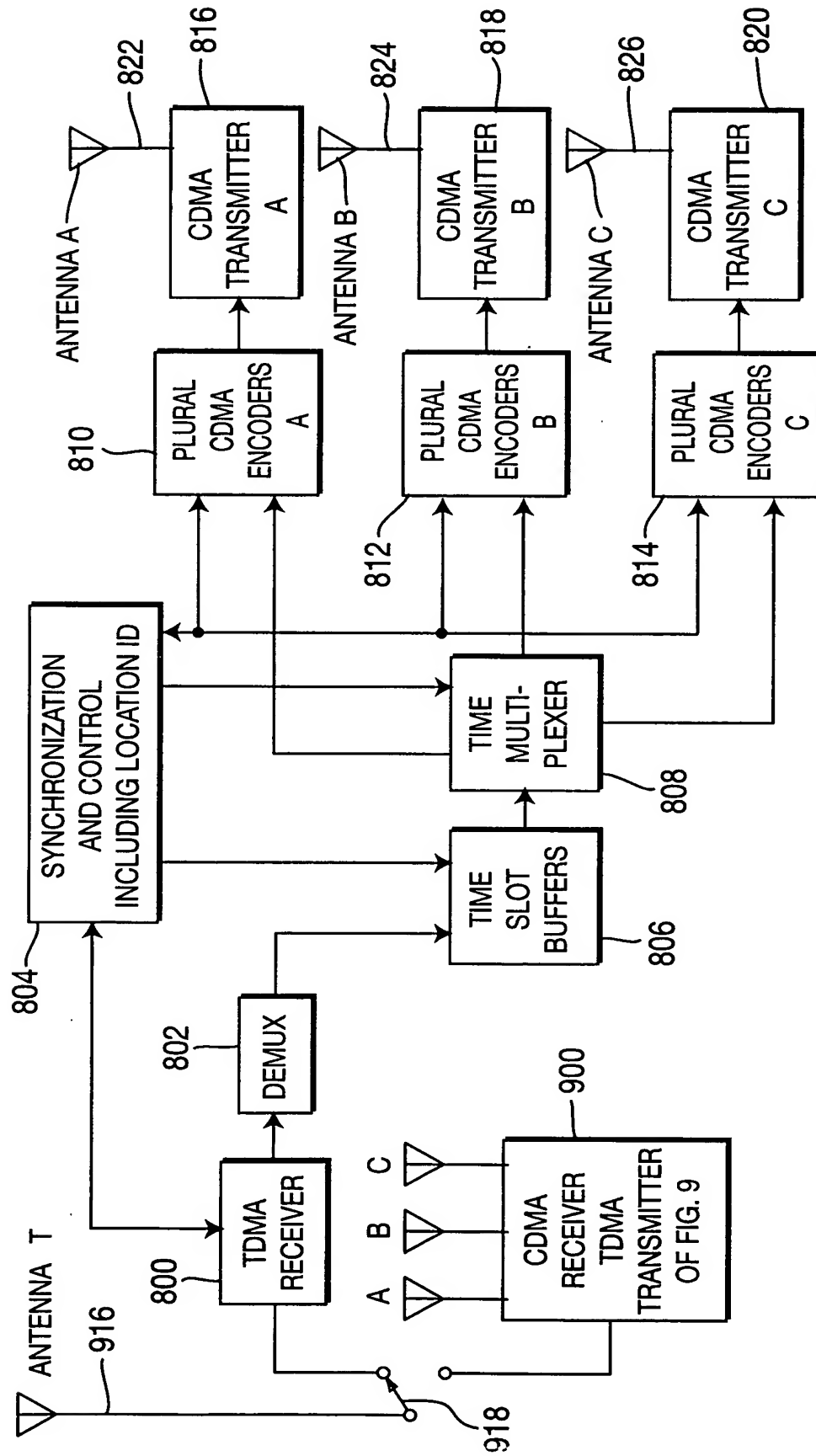


FIG. 7

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TRANSFER STATION FORWARD CHANNEL**FIG. 8**

TRANSFER STATION REVERSE CHANNEL

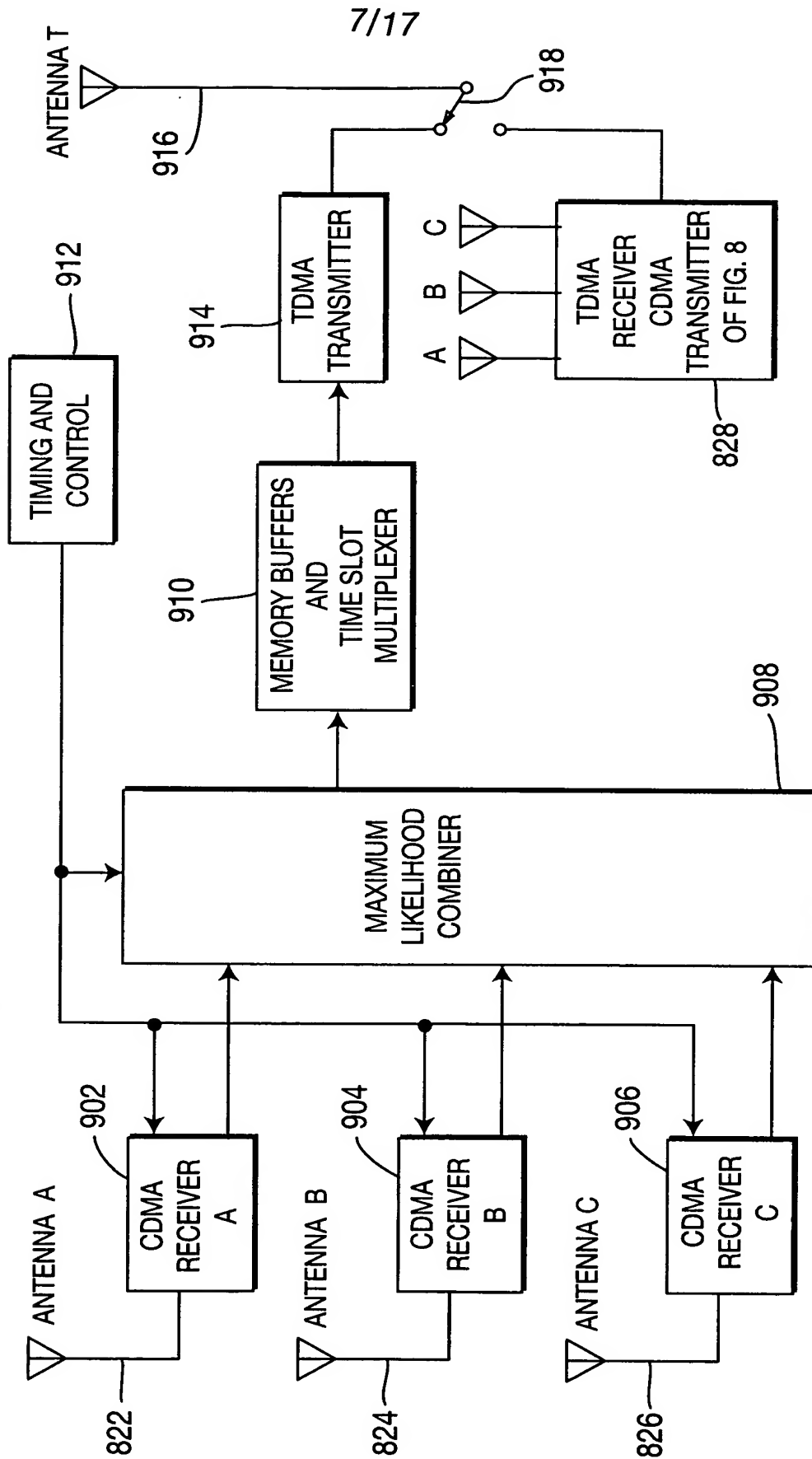


FIG. 9

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FIG. 10A

TRANSFER STATION CDMA OUTPUT TO ANTENNAS (FORWARD CHANNEL)								
TIME SLOTS	1	2	3	4	5	6	1	2 1002
ANTENNA A	T ₁	T ₂	T ₃	T ₄	T ₅	T ₆	T ₁	T ₂
ANTENNA B	T ₆	T ₁	T ₂	T ₃	T ₄	T ₅	T ₆	T ₁
ANTENNA C	T ₄	T ₅	T ₆	T ₁	T ₂	T ₃	T ₄	T ₅

TRANSFER STATION CDMA INPUT FROM ANTENNAS (REVERSE CHANNEL)								
TIME SLOTS	1	2	3	4	5	6	1	2 1004
ANTENNA A	R ₅	R ₆	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆
ANTENNA B	R ₅	R ₆	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆
ANTENNA C	R ₅	R ₆	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆

T_X = TRANSMITTER CHANNEL X R_X = RECEIVER CHANNEL X

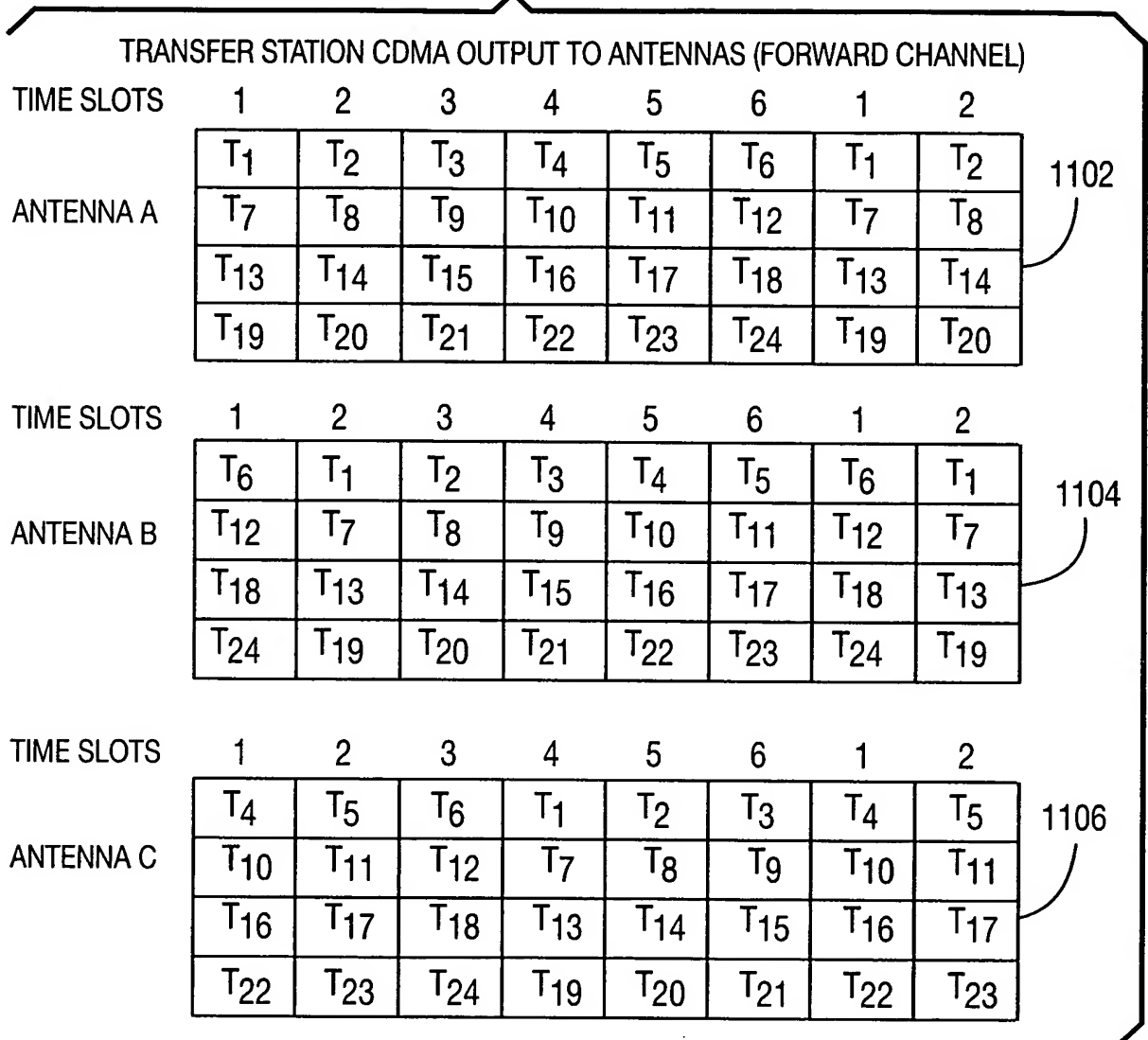
FIG. 10B

TRANSFER STATION CDMA OUTPUT TO ANTENNAS (FORWARD CHANNEL)								
TIME SLOTS	1	2	3	4	5	6	1	2 1006
ANTENNA A	T _{1,7}	T _{2,8}	T _{3,9}	T _{4,10}	T _{5,11}	T _{6,12}	T _{1,7}	T _{2,8}
ANTENNA B	T _{6,12}	T _{1,7}	T _{2,8}	T _{3,9}	T _{4,10}	T _{5,11}	T _{6,12}	T _{1,7}
ANTENNA C	T _{4,10}	T _{5,11}	T _{6,12}	T _{1,7}	T _{2,8}	T _{3,9}	T _{4,10}	T _{5,11}

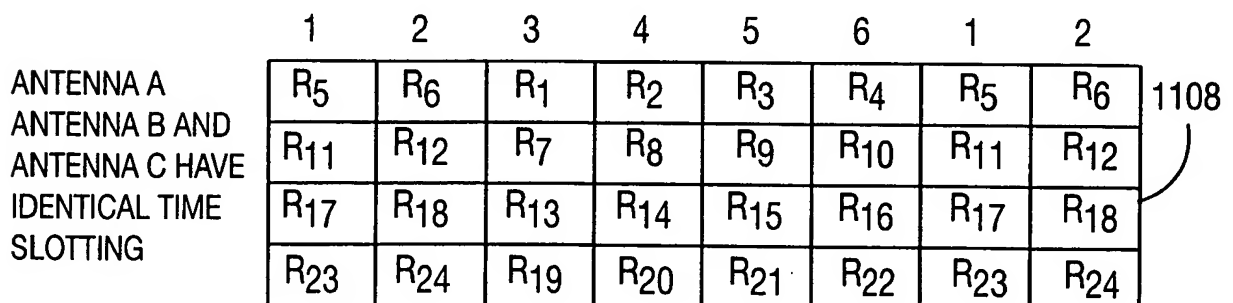
TRANSFER STATION CDMA INPUT FROM ANTENNAS (REVERSE CHANNEL)								
TIME SLOTS	1	2	3	4	5	6	1	2 1008
ANTENNA A	R _{5,11}	R _{6,12}	R _{1,7}	R _{2,8}	R _{3,9}	R _{4,10}	R _{5,11}	R _{6,12}
ANTENNA B	R _{5,11}	R _{6,12}	R _{1,7}	R _{2,8}	R _{3,9}	R _{4,10}	R _{5,11}	R _{6,12}
ANTENNA C	R _{5,11}	R _{6,12}	R _{1,7}	R _{2,8}	R _{3,9}	R _{4,10}	R _{5,11}	R _{6,12}

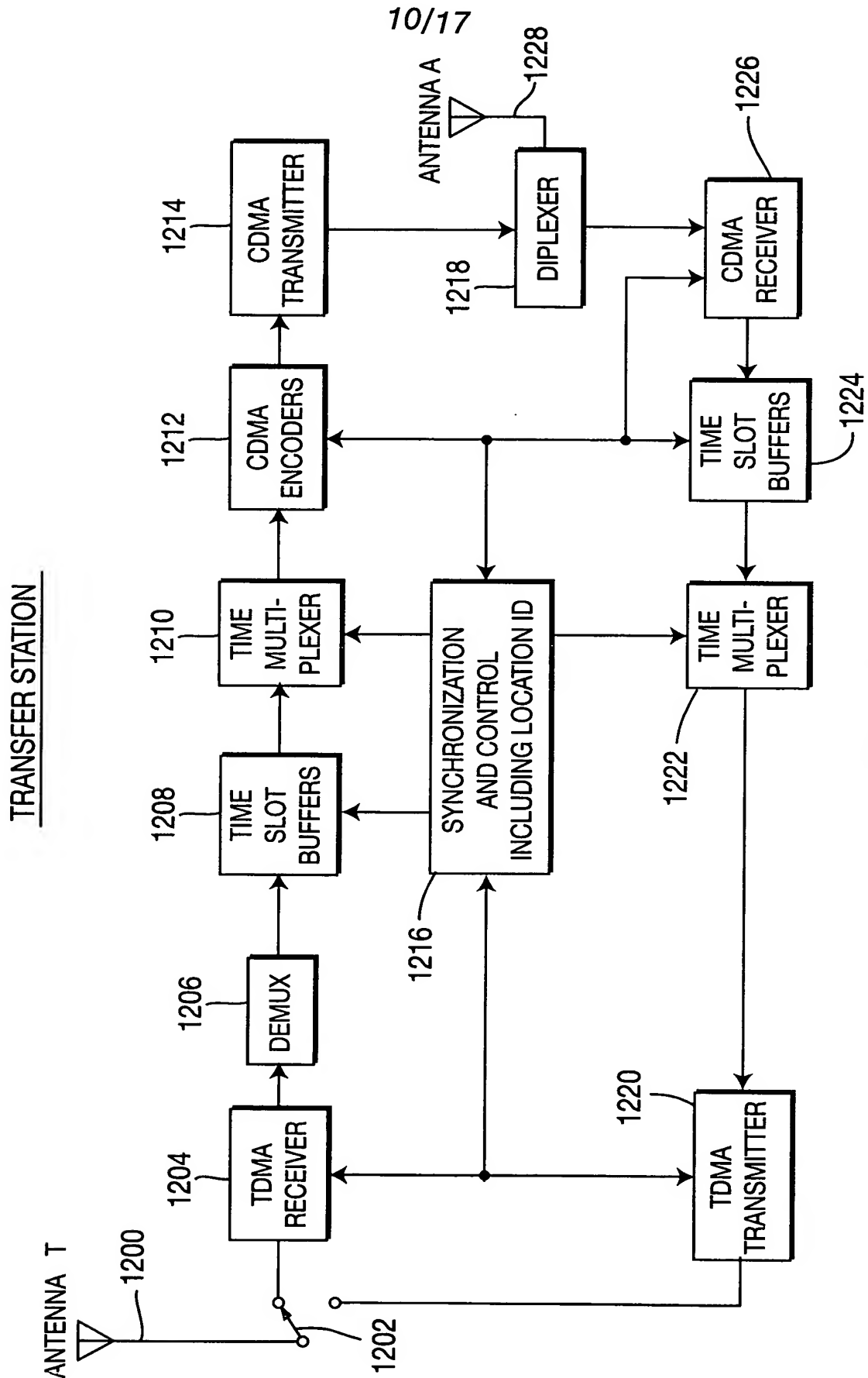
T_X = TRANSMITTER CHANNEL X R_X = RECEIVER CHANNEL X
T_{X,y} = TRANSMITTER CHANNELS X AND Y R_{X,y} = RECEIVER CHANNELS X AND Y

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FIG. 11A**FIG. 11B**

TRANSFER STATION CDMA INPUT FROM ANTENNAS (REVERSE CHANNEL)



**FIG. 12**

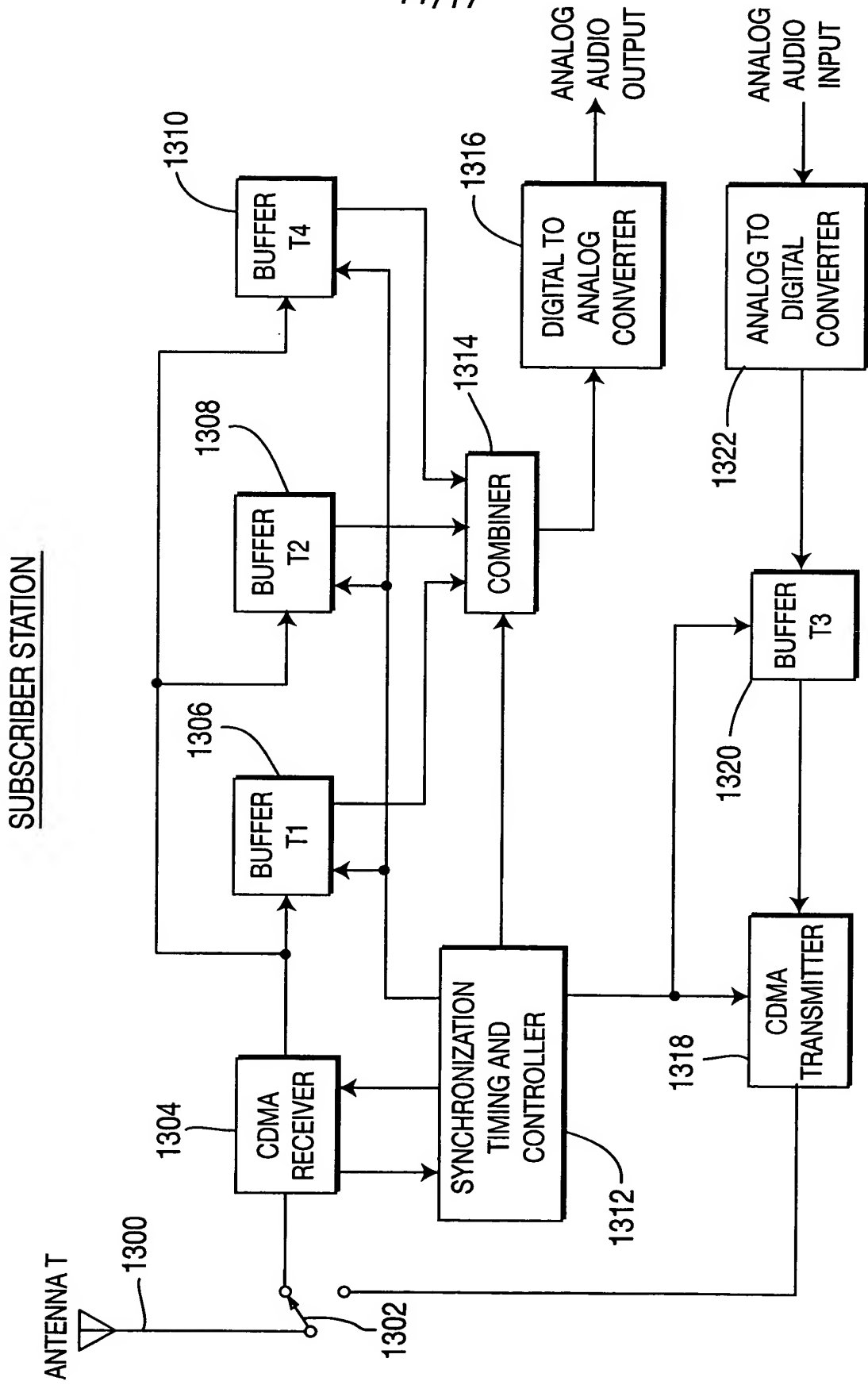


FIG. 13

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CENTRALIZED AND INTEGRATED TRANSFER STATION

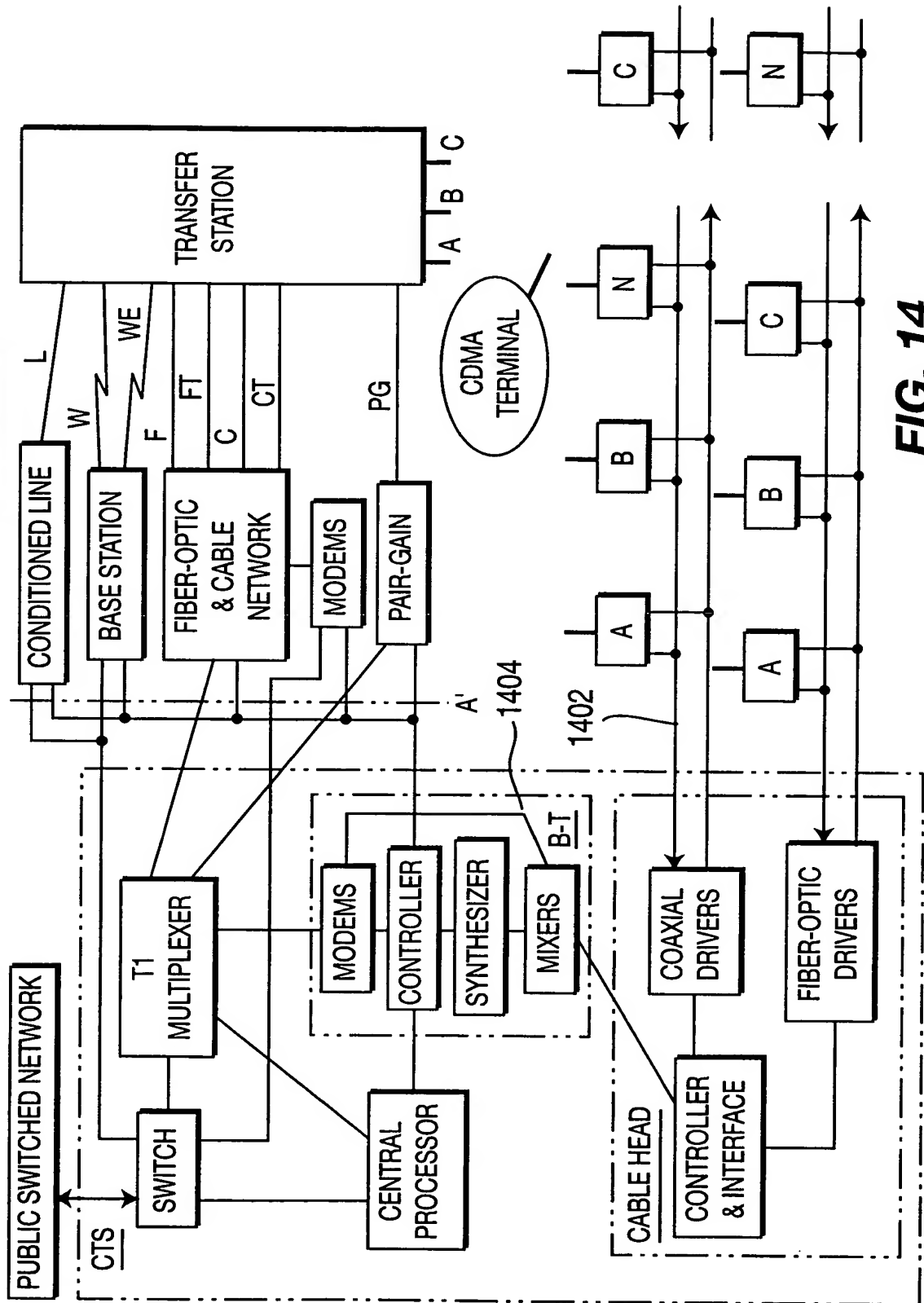
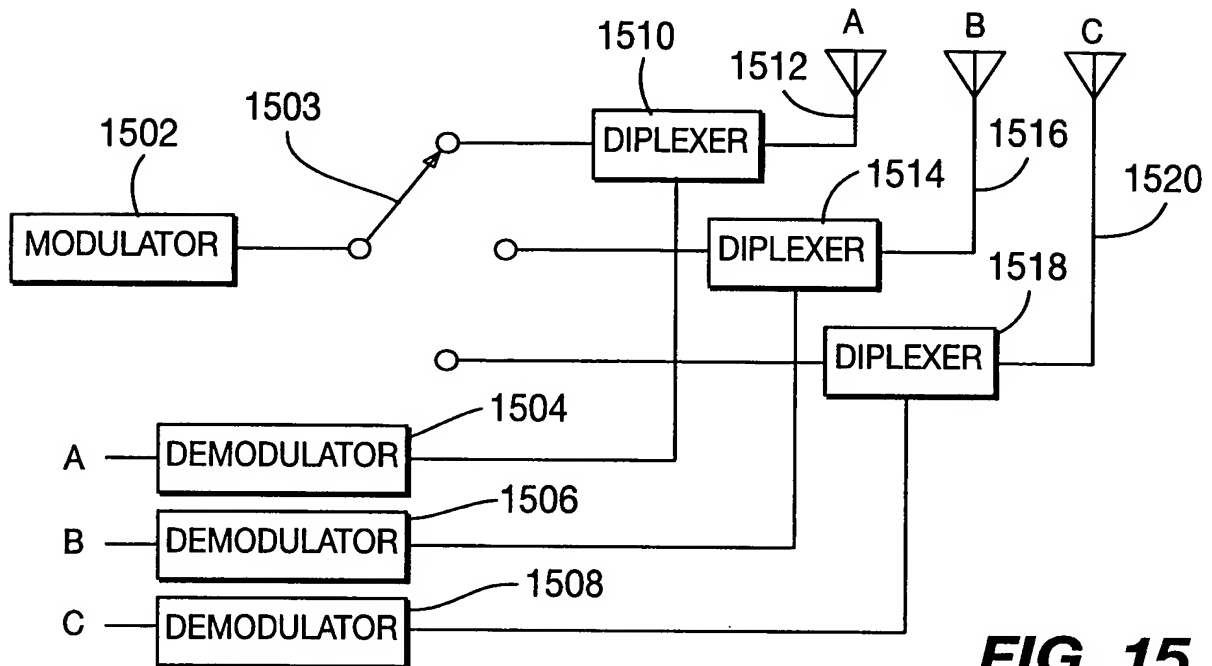
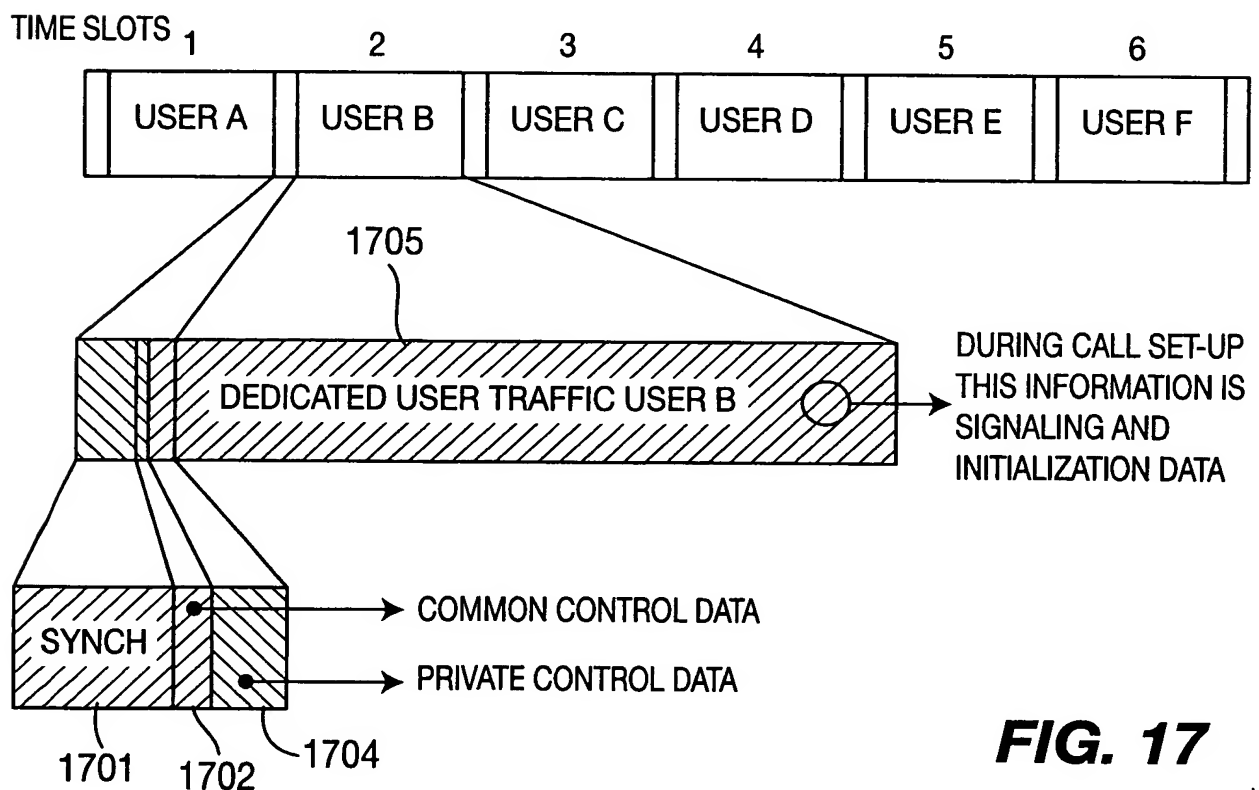


FIG. 14

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TRANSFER STATION ANTENNA IMPLEMENTATION**FIG. 15**SYNCH AND CONTROL CHANNEL STRUCTURE**FIG. 17**

DISTRIBUTED ANTENNA IMPLEMENTATION USING CABLE OR FIBER-OPTIC CABLE

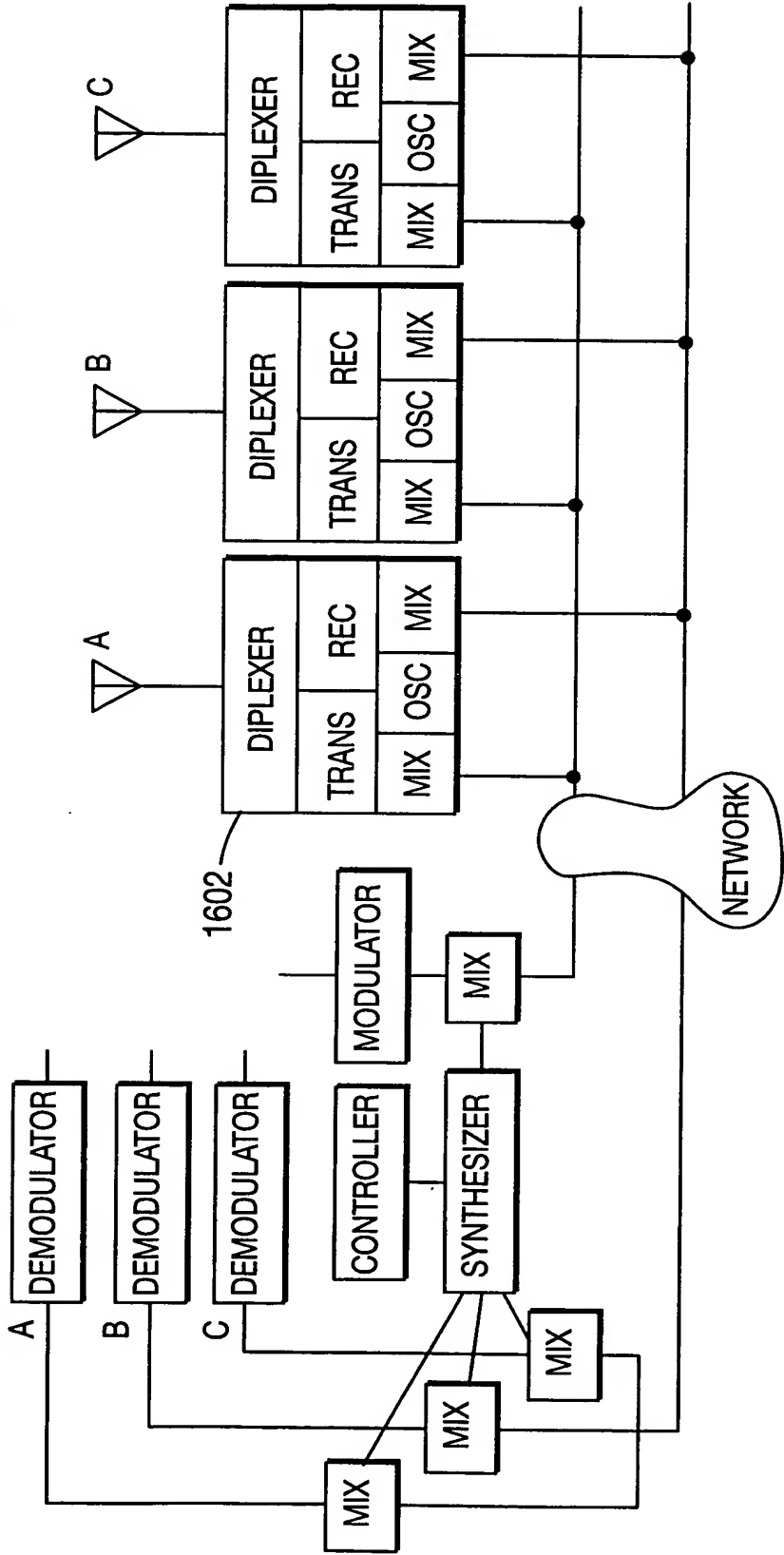
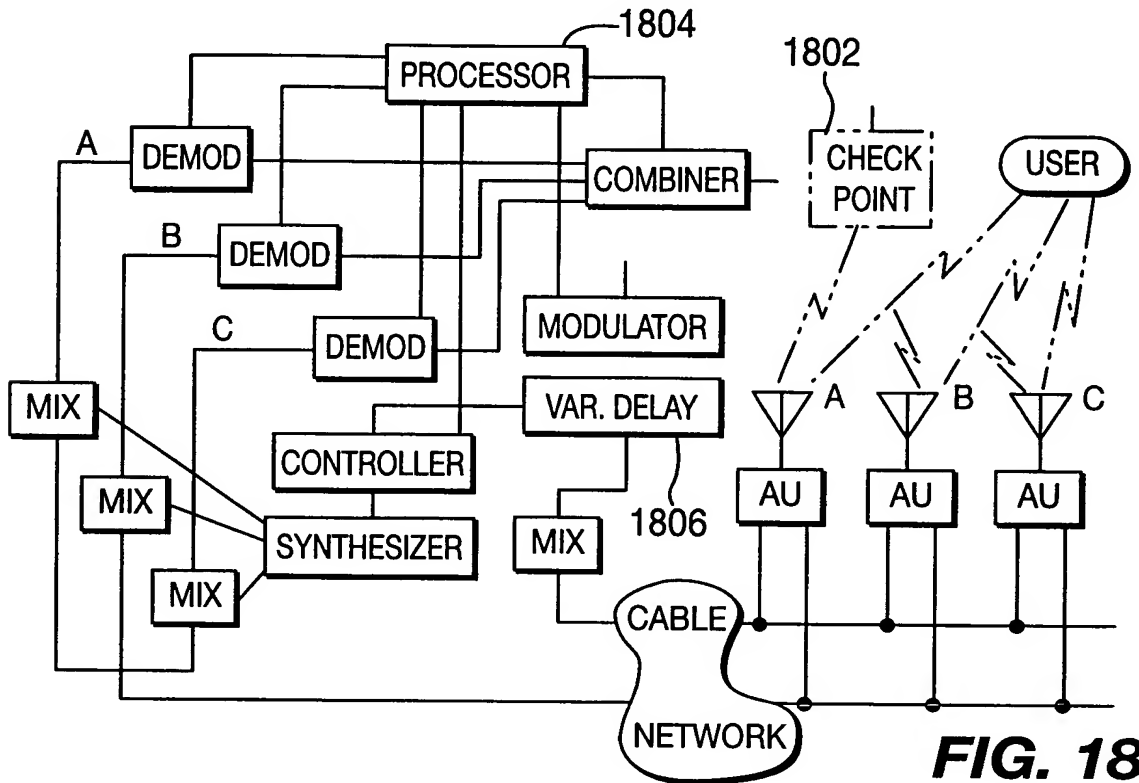
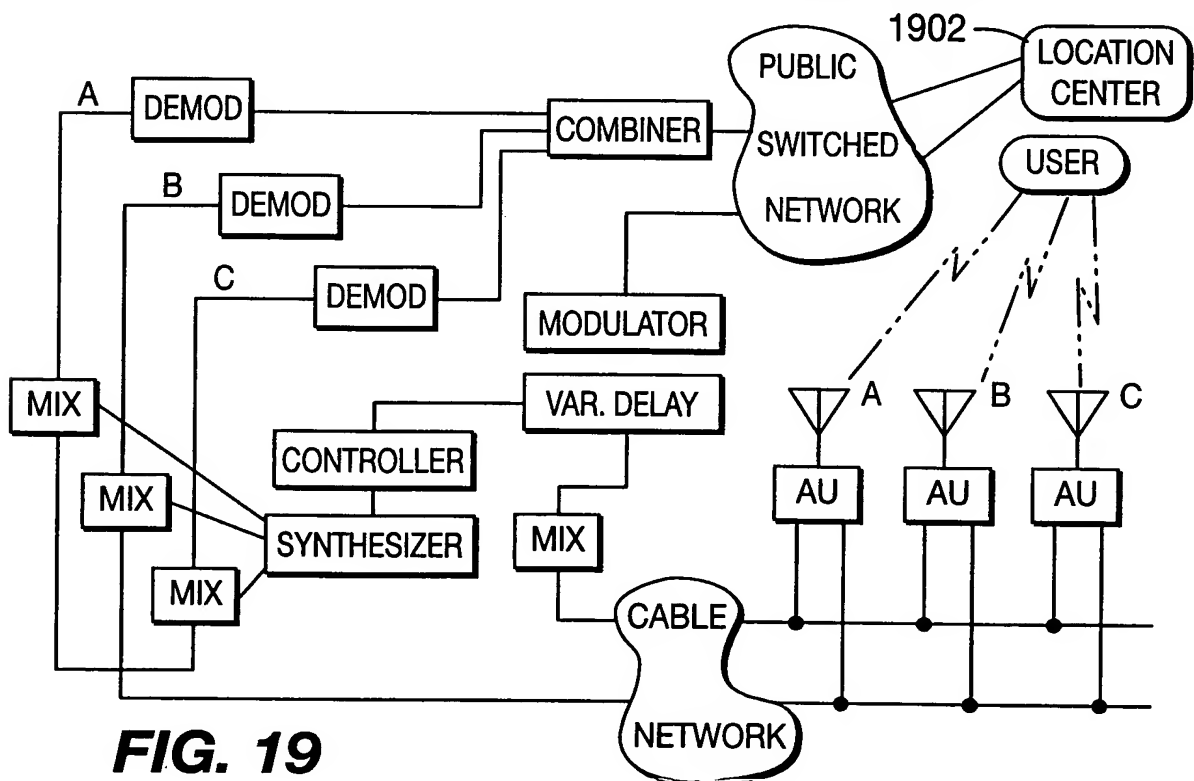


FIG. 16

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TIME CALIBRATION FOR DISTRIBUTED ANTENNA IMPLEMENTATIONLOCATION CENTER EXTERNAL TO COMMUNICATION SYSTEM

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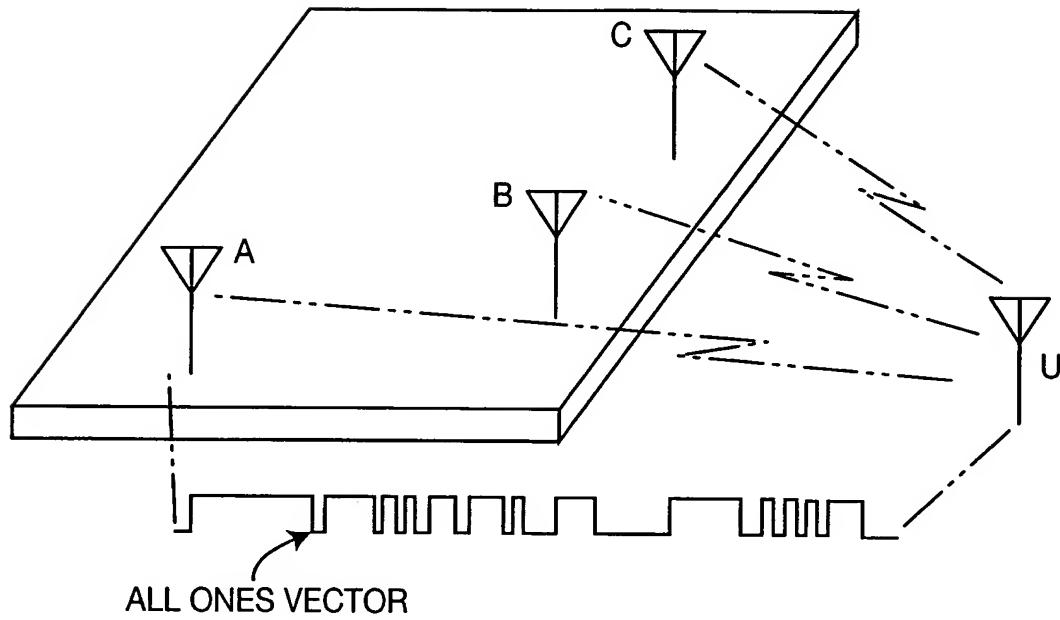


FIG. 20

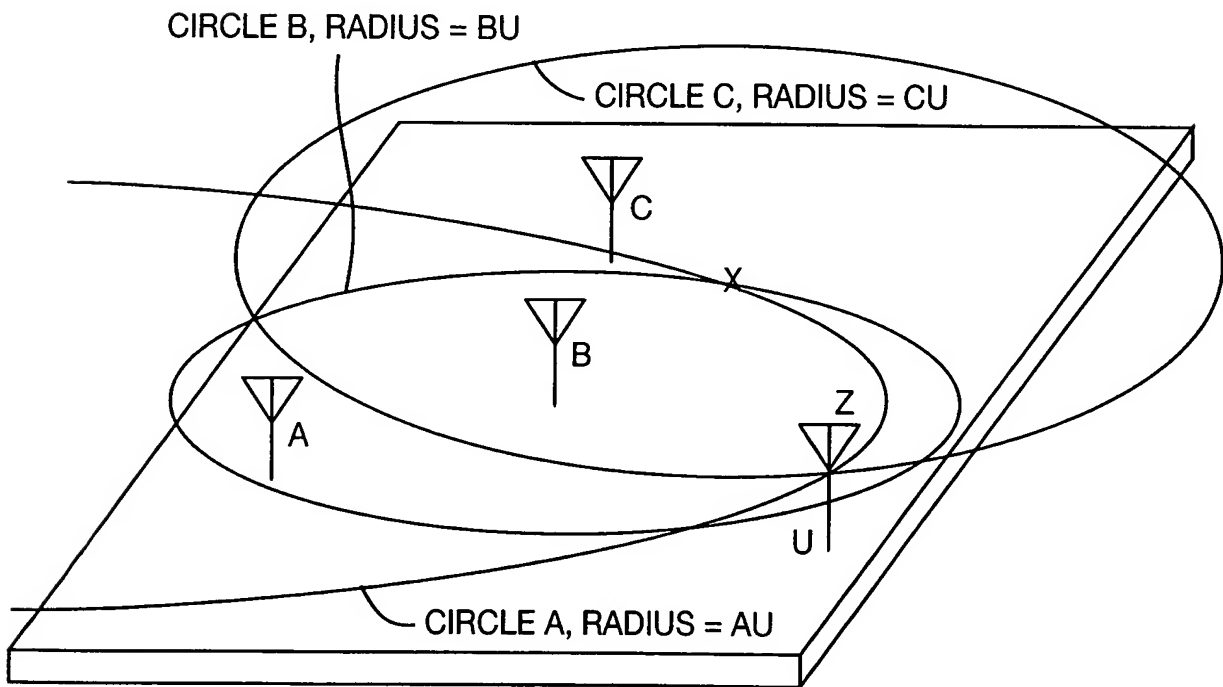


FIG. 21

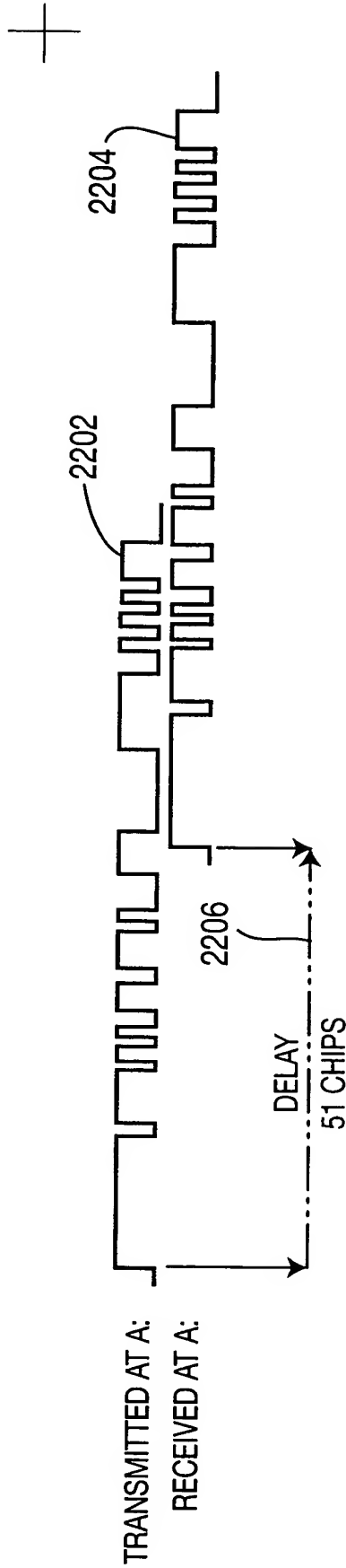


FIG. 22

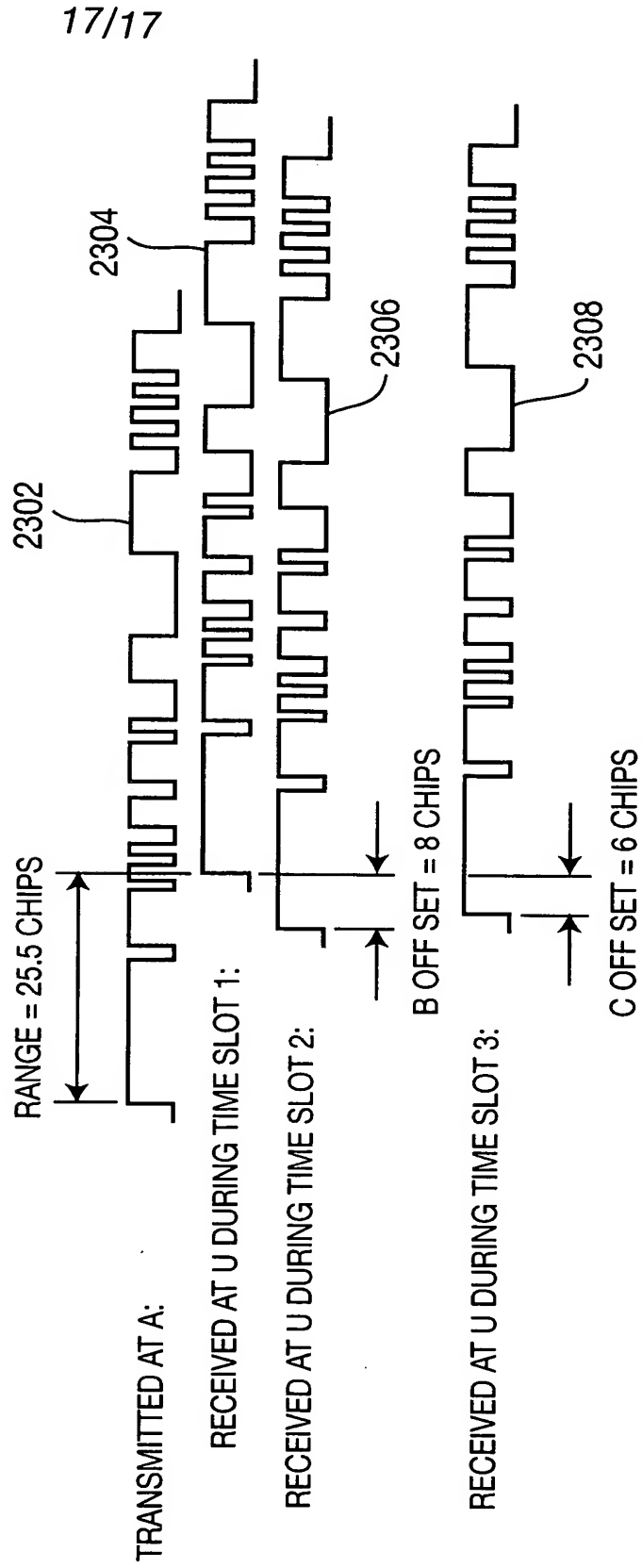


FIG. 23